

I N V I T A T I O N

2nd International Symposium on

Telemedicine

including telecare, telehealth and e-health
focusing on developments in health care and health



Call for abstracts

For further information:
www.telia.se/research

December 15–19, 2002,
Gothenburg, Sweden

Arranged by
Telia, Sweden



Supported by
European Union



Human Potential Programme

Hosted by
The Nordic School of Public Health
Gothenburg, Sweden





TABLE OF CONTENTS	page
Invitation	3
Topics and thematic areas in Telemedicine	4
Invited speakers	5
Call for abstracts	6
Grants for young researchers	7
Meeting dates and venue – general information	8
Registration procedure, fees and accommodation	9
Registration form	10–11

Invitation to the 2nd International Telemedicine Symposium

You are cordially invited to the 2nd International Telemedicine Symposium focusing on developments in health care and health, that is based on and further developed from the successful programme of the first Symposium two years ago.

Telemedicine (including telecare, telehealth, e-health) has developed significantly during the latest 10 years, from projects run by enthusiasts to a routine that will change the nature of health care. However, there is a wide variation for various reasons between different countries concerning the development and use of telemedicine.

To actualise the potential of telemedicine, a multidisciplinary approach is necessary (for instance from medical, public health, economical, organisational, authoritative, technological, and industrial fields). This is equally true for increase of health care quality in its broadest sense, improvement of health, access to health care, cost efficiency, education and research.

The aim of this symposium is therefore to focus on the developments in various fields of telemedicine, bringing together a multidisciplinary team of international participants and a substantial numbers of highly recognized invited speakers (see page 5), to get a deeper understanding of the needs and the factors determining acceptance and diffusion of telemedicine. The aims of the symposium are:

1. To thoroughly present and discuss developments and results in telemedicine
2. To emphasise the need for a multidisciplinary approach to telemedicine
3. To facilitate the exchange of knowledge and personal international networking
4. To facilitate participation also for young researchers (see grant application, page 7)
5. In addition, the symposium will provide a discussion forum to identify synergies and encourage collaboration in telemedicine and related fields.

The symposium is organised by Telia Research, the R&D Company of Telia, the public and state owned teleoperator in Sweden and is supported by the European Union program "Human Potential Programme". It will be run in a "school" atmosphere, and a boarding-school accommodation is offered by the host: the Nordic School of Public Health in Gothenburg, very nice situated at the riverside of Gothenburg, Sweden.

This invitation and the symposium is directed to both specialists and newcomers within or interested in the field of telemedicine, be it from the medical and public health profession, the economical, administrative, technological, industrial or associated fields.

You are very welcome. See you in Gothenburg.



Silas Olsson

*Symposium Chairman
Program Director, Health Care
Telia Research, Sweden
At present on assignment
as National Expert to European Commission,
Information Society Directorate-General
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e-mail: silas.olsson@cec.eu.int*



Holger Pettersson

*Symposium Co-chairman
Professor, Lund University, Sweden
Chief Medical Officer, Scania (South Sweden)
e-mail: holger.pettersson@drad.lu.se*

Program structure, December 15–19, 2002

Topics and thematic areas in Telemedicine/telecare/e-health/telehealth

December 15

- 12.00–17.00 Arrivals and registrations.
15.00–16.00 Tutorial on telemedicine/telecare/e-health/telehealth for beginners.
17.00–19.00 Welcome and opening lectures.
19.30– Get together dinner.

December 16

Topics/sessions includes:

- New horizons in medicine – towards a paradigm shift?
- New horizons in technology – vision or reality for telemedicine?
- National and Regional telemedicine programs, priorities and experiences.

Lunch

- Can telemedicine support public health?
- European Union's new R&D framework program 2003-2006 – priorities and the road ahead.
- Telemedicine/e-health in an international perspective.

Dinner & networking.

December 17

Topics/sessions includes:

- Telemedicine in home care and care of the elderly.
- Personalized telemedicine for chronically ill persons – "mobile care".

Lunch

- National and Regional health care network infrastructure.
- Evaluations, experiences and results of telemedicine applications.
- Study visits regarding telemedicine & information technologies in Gothenburg.

Dinner & networking.

December 18

Topics/sessions includes:

- International trends and changes in health care services and systems and the role of information technologies.
- Telemedicine business and market developments. Reimbursement models and issues.

Lunch

- Technology developments in telemedicine – tools for new applications?
- Industry views on telemedicine products and markets.
- Mobile and Internet – what's around the corner?

Farewell dinner.

December 19

Topics/sessions includes:

- Telemedicine from the patient's perspective.
- Quality development in health care – telemedicine offer new tools.

13.00 Lunch and departure.

Invited speakers, lecturers, discussion leaders, and topics

- **Michael Ackerman**, *Ph.D. High Performance Computing and Communications, National Library of Medicine, Bethesda, Maryland, USA.*
 - Next generation Internet and telemedicine applications – ongoing projects.
- **Toomas Asser**, *Prof. University of Tartu, Tartu, Estonia.*
 - Telemedicine developments in the Baltic countries – experiences and future challenges.
- **Owe Borgström**, *Network Strategy, Ericsson AB, Stockholm, Sweden.*
 - Next generation Internet, IP v6, – latest status.
- **Martin Buxton**, *Prof. Brunel University, London, UK.*
 - Why telemedicine can not escape the need for evaluations?
- **Konstantinas Dobrovolskis**, *Minister of Health, Lithuania, Prof. Vilnius University, Lithuania.*
 - Telemedicine to support health care in transition and possible telemedicine collaboration in the region.
- **Anders Fagerlund**, *Ass. Prof. Uppsala University Hospital, Uppsala, Sweden.*
 - Telemedicine from the patient's perspective – are we doing the right prioritisation's?
- **Lars Fréden**, *Ass. Prof. Acting Dean, Nordic School of Public Health, Gothenburg, Sweden.*
 - Interdisciplinary research – reality or vision?
- **Sigurd From**, *R&D Manager, Tietoenator HealthCare, Tromsø, Norway.*
 - New technical platforms for information exchange in healthcare – its relevance for telemedicine.
- **Kiyonari Inamura**, *Prof. Osaka University, Japan.*
 - Telemedicine in Japan – the government and industry involvement.
- **Penny Jennett**, *Prof. Calgary University, Calgary, Canada.*
 - Telemedicine for the first Nations in Canada and need of research to speed up diffusion and use of telemedicine/ telehealth.
- **Thröstur Finnbogason**, *MD. Astrid Lindgren Children Hospital, Karolinska Hospital, Stockholm, Sweden.*
 - Radiology on call at home – experiences on quality and working conditions.
- **Ulf Jonsson**, *Senior Business Advisor, Telia Mobile, Stockholm, Sweden.*
 - Updates in Mobile and Internet – what's around the corner?
- **Petko Kantchev**, *Senior Engineer, Field Operations, ITU, Geneva.*
 - Telemedicine projects supported by ITU in developing countries – lessons learned and future plans.
- **Ingvar Karlberg**, *Prof. Nordic School of Public Health, Gothenburg, Sweden.*
 - Can "telemedicine" support public health?
- **Yunkap Kwankam**, *Ph.D. Scientist, World Health Organization, Geneva, Switzerland.*
 - Information technology as a tool to develop health and health care in developing countries – what to prioritise?
- **Andreas Lymberis**, *Ph.D. Scientific Officer, European Commission, Brussels, Belgium.*
 - Intelligent biomedical clothing – a new path for personalised telehealth applications?
- **Seong K. Mun**, *Prof. Georgetown University, Washington DC, USA.*
 - Home care telemedicine developments – challenges in reimbursement's issues.
- **Tapio Mäkinen**, *Marketing Manager, Wireless Applications, Nokia, Helsinki, Finland.*
 - Mobile technology opens up for better access to health care services.
- **KG Nerander**, *Program Manager, Infrastructure, Carelink, Stockholm, Sweden.*
 - The National information & communication infrastructure for the health care in Sweden.
- **Oleg Orlov**, *MD. PhD. General Director, Space Biomedical Center, Telemedicine Foundation, Moscow, Russia.*
 - Governmental initiative and industrial interest in telemedicine in Russia.
- **Steinar Pedersen**, *MD. Norwegian Centre for Telemedicine, University Hospital of Tromsø, Tromsø, Norway.*
 - Telemedicine developments and challenges in Norway – the role of a national telemedicine centre.
- **Josep Roca**, *Prof. University Hospital, Barcelona, Spain.*
 - Home care services with telemedicine support – Barcelona experiences and beyond.
- **Richard Satava**, *Prof. Yale University, New Haven, USA.*
 - The impact of Virtual Reality and advanced technologies on the future of medicine.
- **Igor Savinov**, *MD, PhD. I P Pavlov State Medical University, St Petersburg, Russia.*
 - Telemedicine in the St Petersburg and NW part of Russia – educational and clinical applications.
- **Arnolds Veinbergs**, *MD. Head of Radiology Department, Stradins University Hospital, Riga, Latvia.*
 - Teleradiology and teleoncology – experiences so far and need of cross border collaborations.
- **Lars Wikman**, *CEO, Centre for Distant-spanning Health care, Luleå Technical University, Luleå, Sweden.*
 - Industry-academia-user collaborations in telemedicine – experiences and challenges.
- **Karin Westlund**, *Co-ordinator, Radio Medical, Sahlgrenska University Hospital, Gothenburg, Sweden.*
 - Today and future role of nurses in telemedicine.

Call for Abstracts

Abstracts are welcome matching the indicated topics (see below) of the telemedicine (including telecare, telehealth, e-health) programme.

Abstracts should preferably be structured like:

- Title
- Author(s). Underline presenting author.
- Name and address
- Abstract structure: background/purpose, method/material, results, discussion, and conclusion. Abstracts regarding topics like: needs, national plans and priorities, work in progress, etc. may be structured otherwise.
- Abstracts should be written in English
- Maximum 300 words, one page all together
- Use font Time New Roman, regular 12 p size
- Include separately your e-mail address, phone and fax numbers for efficient correspondence.
- Indicate preferred mode of presentation: oral or poster presentation.

Abstracts must be submitted by one of the following ways:

- By e-mail, as an attached Word document (Word for Windows)
to: eva.jonsson@drad.lu.se
- By PC-formatted diskette, with the abstract written in Word for Windows. Use one diskette for each abstract submitted. Enclose one paper print-out per abstract.

Mail abstract to: Eva Jönsson, Radiology Department, Lund University Hospital, SE-221 85 Lund, Sweden.

Deadline for abstracts is November 1, 2002. Confirmation of received abstract will be made on return e-mail/mail basis. The author of the abstract will be informed about the result of the evaluation (acceptance or rejections) by **November 12, 2002.**

The oral or poster presentations (abstracts) should focus on the topics listed below:

- country and region telemedicine plans, priorities, and programmes
- telemedicine experiences and results
- change in medical practice and delivery of care with support of telemedicine
- national and regional information infrastructures in health care
- telemedicine as a tool to organisational and structural developments in health care
- need of telemedicine in medicine, public health, delivery of health care and to improve health
- international and cross border telemedicine
- telemedicine in less favoured regions and countries
- telemedicine in home care, care of the elderly, patient empowerment, continuity of care
- quality enhancements, second opinion
- patient, family, and citizen aspects, access to care
- tele-monitoring
- telemedicine in primary health care, in rural areas, and in islands
- tertiary care telemedicine
- mobile telemedicine and pre hospital care
- telemedicine in specific areas; in military, at sea, in aviation
- distant education & training and research
- e-health, Internet medicine
- e-prescriptions
- health technology assessment, economy, reimbursements in telemedicine
- legal and ethical aspects, safety and standardisation
- developments in broadband telecommunications, satellite communications, mobile communications, Internet and wap-technology
- virtual reality, tele-surgery, robotics, sensors, biomedical clothes
- interoperability, electronic patient records
- work in progress, technology development, information technology
- new business developments and industrial possibilities

Grants for young researchers to attend the symposium

Young researchers from the 15 EU (European Union) member countries, the EU accession countries, and other countries with certain research agreement with EU (see list below) are eligible to apply for grant to attend the 2nd International Telemedicine Symposium. **The basic role is that the researcher should be not more than 35 years old.** Also researchers (of any age) who are nationals of an EU country or a country listed below, but living in an other country at the time of the Symposium are eligible to apply for grant. The grant includes: travel cost, symposium fee, and accommodation (meals and hotel) cost.

Young researchers from the following countries are eligible to apply for grant:

The 15 EU member countries, and

Bulgaria	Iceland	Norway
Cyprus	Israel	Poland
Czech Republic	Latvia	Romania
Estonia	Liechtenstein	Slovakia
Hungary	Lithuania	Slovenia

Grant application should include:

- Name
- Address
- Phone and fax numbers and e-mail address
- Citizenship
- Age (date of birth)
- Curriculum Vitae
- Description of work/research (max one page) and/or focus of interests

Grant application should be sent to:

Eva Jönsson
Radiology Department
Lund University Hospital
SE-221 85 Lund, Sweden
E-mail: eva.jonsson@drad.lu.se
Fax: +46-211 69 56

Deadline for grant application is **November 1, 2002**. The applicants will be informed about the grant evaluation outcome by **November 12, 2002**.

Oral or poster presentation abstracts are welcomed but are not necessary for grant approval. However, the numbers of grants are limited. In case of too many applicants those with accepted abstracts will be prioritised. Priorities will also be given to achieve a geographical balance and to ideally complementing programme topics. See also information "Call for abstracts" in this announcement.

Meeting dates and venue – general information

December 15–19, 2002.

Venue of the meeting: The Nordic School of Public Health, *Nya Varvet, Gothenburg, Sweden*.

International airport:

The nearest international airport is “**Landvetter, Gothenburg**”, about 30 km from the School Campus.

Symposium language:

English

The Nordic School of Public Health is very beautiful located at the riverside of Gothenburg, the second largest city in Sweden. The symposium will run in a “telemedicine school” atmosphere and a boarding-school accommodation is offered. See registration procedure and registration form.

Need more information about the symposium? Make contact to Mari Johansson, Telia Research.

E-mail: mari.l.johansson@telia.se

Phone: +46-8-713 82 04

Fax: +46-8-713 83 10

For the latest symposium updates,
look at www.telia.se/research



Registration procedure and fees for the symposium and accommodation

Please use the registration form in this announcement and fax or mail the form (or e-mail the content) to:

Telia Research
Att. Mrs. Mari Johansson
SE-123 86 Farsta, Sweden
Fax: +46-8-713 83 10
e-mail: mari.l.johansson@telia.se
Online registration can be done at www.nhv.se/telemedicine2002

Deadline for registration is **November 22, 2002**.

The fees for the symposium are:

Symposium participation fee:	Euro 810	SEK 7600
Participation fee includes all coffee and lunches (no dinners) during the programme.		
• Dinners (dinners, during in the program, December 15–18)	Euro 115	SEK 1100
• Campus hotel/room (single bed room/breakfast on campus, December 15–19)	Euro 280	SEK 2600

The standard of the Campus hotel/room are high. In all rooms wc/shower, refrigerator, and a kitchen facilities are available.

Participation of industry

Industry is welcome to inform about developments, products and plans in the business, promotion and poster area (no technical/equipment exhibition). For further information, make e-mail contact to: holger.petterson@drad.lu.se

Participation of National Agencies, National Organisations and Ministries.

To stimulate international collaboration in the field of Telemedicine (telecare, telehealth, e-health) and to learn from needs and developments in health care and health related to national telemedicine programmes, initiatives and priorities, such material is welcome to be presented in the Symposium (reports, white/green papers, posters etc). There are several possibilities to present such national based material. For further information, make e-mail contact to silas.olsson@cec.eu.int

SURNAME: _____

CHRISTIAN NAME: _____

INSTITUTION/COMPANY: _____

ADDRESS: _____

CITY: _____ COUNTRY: _____

PHONE: _____ FAX: _____

E-MAIL: _____

SIGNATURE: _____

Symposium participation fee	Euro 810	SEK 7600
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Participation fee includes all coffee and lunches (no dinners) during the programme.

<ul style="list-style-type: none"> • Dinners 	Euro 115	SEK 1100
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Dinners, during the programme, December 15–18.

<ul style="list-style-type: none"> • Campus hotel/room 	Euro 280	SEK 2600
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Includes a single room with breakfast on School Campus, December 15–19.

TOTAL AMOUNT (sum the preferred currency to pay):	Euro	SEK
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The standard of the Campus hotel/room are high. In all rooms wc/shower, refrigerator, and a kitchen facilities are available.

Three payment options are available. Tick one:

- [] **1. Make a cheque payable to Telia Research, Farsta, Sweden.** Send the cheque by mail together with the registration form to:
Telia Research, Att: Mari Johansson, SE-123 86 Farsta, Sweden.
- [] **2. Payment directly to Telia Research bank account. Mark the payment transfer with "Telemedicine" 2002:**
Bank: Svenska Handelsbanken
Bank Account No: 6174-314 037 802
Swift address: HANDESS
Bank address: Farsta Torg 21, SE-123 21 Farsta, Sweden
- [] **3. Invoice from Telia Research (Scandinavian participants only)**
An invoice will be sent from Telia Research for the total amount indicated on this registration form. If the invoice address differ from the registrant address, write the invoice address below:

Invoice address: _____

Deadline for registration is November 22, 2002.

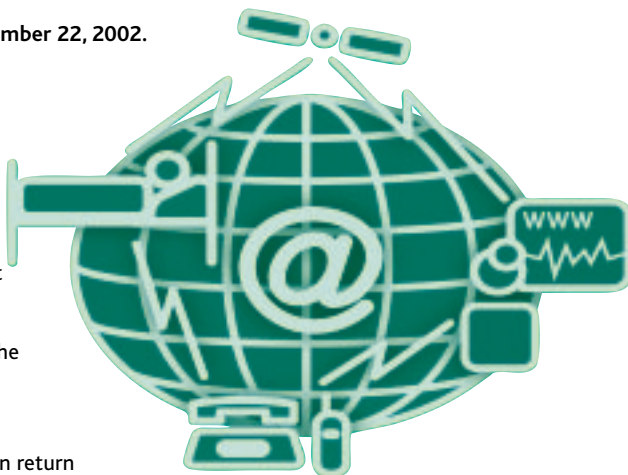
Copy this registration form and send it by fax or mail to:

Telia Research
 Att. Mari Johansson
 SE-123 86 Farsta, Sweden
 Fax: +46-8-713 83 10

Online registration can be done at
www.nhv.se/telemedicine2002

Or e-mail your registration with the registration information to:
mari.ljohansson@telia.se

The registrant will be confirmed on return basis when the fee has arrived.



International advisory committee:

Ace Allen, MD, Dir. Telemedicine Evaluation and Research, Kansas University, USA.

Leonid Androuchko, Prof. Em. International Telecommunication Union, ITU, Geneva.

Oleg Atkov, Cosmonaut. Prof. International Space University, Strasbourg, France.

Rashid Bashshur, Prof. University of Michigan Health Systems, Ann Arbor, USA.

Regis Beuscart, Prof. Hopital Calmette, Lille, France.

Mats Brommels, Prof. Helsinki University, Finland.

Johan Calltorp, Prof. West Health Care Region, Sweden.

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Rod Elford, MD. Digital Telehealth Inc. St. John's, Canada.

Anders Fagerlund, MD, PhD. Uppsala University Hospital, Sweden.

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Bernard Gibaud, Laboratoire SIM, Rennes, France.

Vilius Grabauskas, Prof. Kaunas University of Medicine, Lithuania.

Fred Goeringer, Medical Informatic Consultance, Washington D.C. USA.

Staffan Gustafsson, Assoc. Prof. Sahlgrenska University Hospital, Gothenburg, Sweden.

Hiroyuki Hashimoto, Deputy Dir. NTT Communications Corporation, Japan.

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Dato a Jai Mohan, MD. Hospital Selayang, Batu Gues, Malaysia.

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Jörundur Kristinsson, MD. Reykjavik Health Care Centre, Iceland.

Frode Laerum, Prof. Rikshospitalet, Oslo University, Norway.

Maria Laires, European Health Telematics Observatory, Lisbon, Portugal.

Louis Lareng, Prof. Director Institut Européen de TéléMédecine, Toulouse, France.

Mats Larson, CEO, Carelink, Stockholm, Sweden.

Heinz Lemke, Prof. Technical University Berlin, Germany.

Paul McLaren, MD. Chairman, Telemedicine Forum, London, UK.

Georges de Moor, Prof. State University Hospital, Ghent, Belgium.

Tetsuo Okabe, Prof. Gunma Women's College, Takasaki-shi, Japan.

Mircea Olteanu, MD. PhD. President, Romanian Hospital Association,

Bucharest, Romania.

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P-O Söderström, Information Manager, University Hospital of Northern Sweden, Umeå, Sweden.

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Siri Uldal, MSc. University Hospital of Tromsø, Norway.

Arnolds Veinbergs, MD. Medical Academy of Latvia, Riga, Latvia.

Pal Weihe, MD. Chief Medical Officer, Thorshavn, Faroe Islands.

Karin Westlund, Co-ordinator, Radio Medical, Sahlgrenska University Hospital, Gothenburg, Sweden.

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